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| 智慧园区综合管理平台 |
| 养殖子系统对外开放接口文档 |
| **V1.0.0** |
| 浙江大华技术股份有限公司 |

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文档说明

## 编写目的

智慧园区综合管理平台(以下简称平台)

文档详细描述了平台开发的API资源接口,调用方式,返回结果以及使用场景等,用于第三方平台基于本平台做二次开发。

## 阅读对象

第三方厂家、合作伙伴、开发者等

## 相关术语

|  |  |
| --- | --- |
| 术语 | 解释 |
| api | 开放对外接口名 |
| token | 资源令牌,一种随机数用于资源认证 |
| URI | 统一资源标识符,用于标识资源名称的字符串 |
| URL | 统一资源定位符,用于获取资源位置和方法的简介表示 |
| header | http请求头,key-value键值对形式展现 |
| base64 | 一种编码格式 |
| MD5 | Message Digest algorithm 5(信息摘要算法) |
| SHA | Secure Hash Algorithm(安全散列算法) |
| HMAC | Hash Message Authentication Code(散列消息鉴别码) |
| TCP | Transmission Control Protocol(传输控制协议) |
| UDP | User Datagram Protocal(用户数据报协议) |
| SSL | Secure Sockets Layer(安全套接层) |
| http | HyperText Transfer Protocal(超文本传输协议) |
| https | 安全的http协议 |
| AMQP | Advanced Message Queuing Protocal(高级消息队列协议) |
| MQTT | Message Queuing Telemetry(消息队列遥测传输) |
| stomp | 流文本定向消息协议 |
| HLS | HTTP Live Streaming(一种由苹果公司提出的基础http的流媒体传输协议) |
| RTSP | Real Time Streaming Protocal(实时流传输协议) |
| RTMP | Real Time Messaging Protocal(实时消息传输协议) |

开发指南

## 协议综述

平台提供了各子系统:基础视频、一卡通、停车场、可视对讲、人脸、信息发布、动环、广播等API接口协议。所有API接口访问，都基于HTTP/1.1协议,遵循RESTFul风格。API访问的数据采用JSON格式。

平台的RESTful API,资源操作action遵循HTTP Verbs的语义:

|  |  |
| --- | --- |
| Verb | Description |
| HEAD | 可以获取任何资源的HTTP头信息 |
| GET | 用于获取资源,不能在content中带参数 |
| POST | 用于创建资源、更新资源 |
| PUT | 用于替换资源 |
| DELETE | 用于删除资源 |

所有的协议访问都要经过鉴权中心认证，所以在开始业务前,一定要用先创建会话来获取token,并在后续请求的HTTP头部加上参数token,userId,userName。由于token是有一定期限的,获取token后,必须定时会话保活,默认的token有效期为半小时。

eg1:token拼接方式:

请求头header中加上参数:

“token”:” 36F5B00B64004F30FB99723FAC005D15”

“userId”:” 1”

“userName”:” system”

eg2:token的保活方式:

调用模拟登录接口获取token,后续建议每半小时模拟登录一次重新获取token

ip:port为平台的ip,端口号若无特殊说明默认为8093

https调用的话需要屏蔽证书

## 错误响应及错误码

平台接口返回标识以调用各子系统返回值为主,在资源目录对应的子系统概述中有详细解释

## 字符编码

UTF-8

# 资源目录

## 鉴权认证

### 方式一:

**接口描述:**

目前获取鉴权参数的主要方式是通过方式一;

通过方式二获取鉴权参数主要的8900配套版本为:8900 v3.1.4 bugfix版本

### 获取公钥

**接口描述:**

用于获取令牌token步骤中密码的加密,加密方式为RSA加密,该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/getPublicKey

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | 64 | Y |  |

**示例:**

|  |
| --- |
| {  "loginName": "system"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| publicKey | RSA公钥 | string | 用于1.1.2接口中密码的加密 |

**示例:**

|  |
| --- |
| {  "nonce": "MjAxOS0wMy0yMCAxNDoxMToyOQ==",  "publicKey": "MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCjm5ANYIIGrl2MMsuN+4X/Bp2KR4tKTF1qvJR/qNhpr5BeRcnhO2Fj//tyTXEBpa+FwyxWVnxWOYSBhsd/GAiuPvjRfU2ZSPDwH/YZEQDcFSuinzKb2EWM0pAnp+bqJfcemccLB8ulTygB61Bb1n9Eg6qjK/x55phCPYR6sDEZ1QIDAQAB",  "success": "true"  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/getPublicKey?spm=1585791976070 HTTP/1.1  Host: 10.35.120.145:443  X-Forwarded-Scheme: https  X-Real-IP: 10.33.65.13  X-Forwarded-For: 10.33.65.13  Content-Length: 22  Accept: \*/\*  Origin: https://10.35.120.145  X-Requested-With: XMLHttpRequest  Content-Type: application/json; charset=UTF-8  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  randomSession: 123123  Referer: https://10.35.120.145/WPMS/  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=58C3057B5E6FDA64588F02D3E99EFA1C; currentToken=724f1f8129283c642a8d8634936b7066; JSESSIONID=60A6BC618B6B90EBD4FC6186D6602B49  {"loginName":"system"}HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 395  Date: Thu, 02 Apr 2020 01:38:01 GMT  {"success":"true","loginName":null,"errMsg":null,"token":null,"id":null,"cmsIp":null,"cmsPort":null,"orgCode":null,"publicKey":"MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCXKVZBdh63Cck+h4Vn7ZAiKaLikC+VhkQKxKxheBBZofLtwI+WI8fmUFsoEhjy/nfDJkeSHFgdt9Ba1lXyIZNLtKT1KdhXOqC32w1YqMsg1NnBTrMLbuyVUVTcLRcn1CjX4j9K+ap1BF5whvl3Sos797Hpm6MiCdS2p4nLWEThVwIDAQAB","nonce":"MjAyMC0wNC0wMiAwOTozODowMQ\u003d\u003d"} |

### 鉴权参数获取(token,userId,userName)

**接口描述:**

用于获取接口鉴权的token,userId,userName

接口每次调用时,publicKey需要实时获取

该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/login

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | -- | Y |  |
| loginPass | 密码 | string | -- | Y | RSA加密,公钥通过1.1.1获取 |

**示例:**

|  |
| --- |
| {  "loginName": "system",  "loginPass": "IaAVo4XYVla+0sn9P71B/AunGpFMzrn3pbLwv7IN6WgiUpOXaKH1j2XKyLfWbGSJMkDyMCau0glenYtXPCZjFL1HPdP0a+YlYLnkhKZThlj6fC8z8qiT3zbU9VCOjudHWfDMXcJeEfDrmF53hq0eeITsBW3qtZdezuVioQu1OHs="  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| token | 令牌 | string | 用于后续接口认证 |
| loginName | 用户名 | string |  |
| id | 用户id | id |  |

**测试demo:**

查看 调用sdk及demo\sdk-demo(java) 文件夹下的 SdkClient.login 方法

**示例:**

|  |
| --- |
| {  "cmsIp": "10.35.120.122",  "cmsPort": "9000",  "id": "1",  "loginName": "system",  "orgCode": "001",  "publicKey": "",  "success": "true",  "token": "bb4dd8197dc4aa54d107e490dcad9063"  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/login?spm=1585791976098 HTTP/1.1  Host: 10.35.120.145:443  X-Forwarded-Scheme: https  X-Real-IP: 10.33.65.13  X-Forwarded-For: 10.33.65.13  Content-Length: 241  Accept: \*/\*  Origin: https://10.35.120.145  X-Requested-With: XMLHttpRequest  Content-Type: application/json; charset=UTF-8  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  randomSession: 123123  Referer: https://10.35.120.145/WPMS/  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=58C3057B5E6FDA64588F02D3E99EFA1C; currentToken=724f1f8129283c642a8d8634936b7066; JSESSIONID=60A6BC618B6B90EBD4FC6186D6602B49  {"loginName":"system","loginPass":"fTWv1GX0NlGge7Fuv9EmzjyFJOYQHFqty5YgDg13I29OveL4LvFUn0ycwdeCAntm0u+egjizIJPRXeO7T1b6Y4UG5/PcjnDvE0nrqu64zub+NKEraFL5LEHCtE+Ps4QDKCt6f1nnBFkuILpZEZDpk6d9LGtx0q5LwKAJngKi+CU=","timestamp":"15857914846209151"}HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 1046  Date: Thu, 02 Apr 2020 01:38:01 GMT  {"success":"true","loginName":"system","errMsg":null,"token":"53e2d6738b5c49e8086c47987bd5bd01","id":"1","cmsIp":"10.35.120.145","cmsPort":null,"orgCode":"001","publicKey":"\u003d\u003d","nonce":null} |

### 接口鉴权方式

获取token鉴权方式见[协议综述](#_协议综述)

### 方式二:

**接口描述:**

适用于8900 v3.1.4 bugfix版本

### 1.1.1获取随机数

**接口描述:**

用于获取token的密码加密的随机数,该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/getCryptKey

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | 64 | Y |  |

**示例:**

|  |
| --- |
| {  "loginName": "system"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| publicKey | 随机数 | string | 用于获取token的密码加密 |

**示例:**

|  |
| --- |
| {  "success": "true",  "loginName": null,  "errMsg": null,  "token": null,  "id": null,  "cmsIp": null,  "cmsPort": null,  "orgCode": null,  "publicKey": "37c0aefcedd7e923914c48fc177a807f",  "nonce": "MjAxOS0xMS0xOCAxNTozMDoyNQ=="  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/getCryptKey HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 30  Cache-Control: no-cache  Origin: chrome-extension://kcchblbcjgmlepphcapghahekamiipea  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  Content-Type: application/json  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=85DEF1188C8F3346079C7DCA8D5FE78D; JSESSIONID=F6E432B128835A3DB3852B1F80D61177  {  "loginName": "system"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 211  Date: Wed, 01 Apr 2020 00:15:29 GMT  {"success":"true","loginName":null,"errMsg":null,"token":null,"id":null,"cmsIp":null,"cmsPort":null,"orgCode":null,"publicKey":"37c0aefcedd7e923914c48fc177a807f","nonce":"MjAyMC0wNC0wMSAwODoxNToyOQ\u003d\u003d"} |

### 1.1.2鉴权参数获取(token,userId,userName)

**接口描述:**

用于获取接口鉴权的token,userId,userName

**请求语法(URI):**

POST /WPMS/apiLogin

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | -- | Y |  |
| loginPass | 密码 | string | -- | Y | base64(密码+接口1.1.1返回的随机数) |

**示例:**

|  |
| --- |
| {  "loginName": "system",  "loginPass": "ZGFodWEyMDA2MzdjMGFlZmNlZGQ3ZTkyMzkxNGM0OGZjMTc3YTgwN2Y="  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| token | 令牌 | string | 用于后续接口认证(token) |
| loginName | 用户名 | string | 用于后续接口认证(userName) |
| id | 用户id | id | 用于后续接口认证(userId) |

**示例:**

|  |
| --- |
| {  "success": "true",  "loginName": "system",  "errMsg": null,  "token": "db1777b32914947e801200c9d89b8ad8",  "id": "1",  "cmsIp": "10.35.122.134",  "cmsPort": null,  "orgCode": "001",  "publicKey": "37c0aefcedd7e923914c48fc177a807f",  "nonce": null  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/apiLogin HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 108  Cache-Control: no-cache  Origin: chrome-extension://kcchblbcjgmlepphcapghahekamiipea  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  Content-Type: application/json  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=85DEF1188C8F3346079C7DCA8D5FE78D; JSESSIONID=F6E432B128835A3DB3852B1F80D61177  {  "loginName": "system",  "loginPass": "ZGFodWEyMDIwMzdjMGFlZmNlZGQ3ZTkyMzkxNGM0OGZjMTc3YTgwN2Y="  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 220  Date: Wed, 01 Apr 2020 00:17:27 GMT  {"success":"true","loginName":"system","errMsg":null,"token":"9cc68f9e0329ee7c1d4fd3ea72eaa2ff","id":"1","cmsIp":"10.35.120.145","cmsPort":null,"orgCode":"001","publicKey":"37c0aefcedd7e923914c48fc177a807f","nonce":null} |

### 1.1.3接口鉴权方式

获取token鉴权方式见[协议综述](#_协议综述)

## 猪舍管理

**接口描述:**

接口请求头中的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

猪舍访问端口默认8093,外网情况下需开通相应端口映射

### 猪舍新增

**接口描述:**

--

**请求语法(URI):**

POST /cultivation/1.0.0/culPigHouse

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pigHouseCode | 猪舍编号 | string | 32 | Y | 唯一 |
| pigHouseName | 猪舍名称 | string | 64 | Y |  |
| memo | 备注 | string | 255 | N |  |

**示例:**

|  |
| --- |
| {  "memo": "猪舍1号",  "pigHouseCode": "888",  "pigHouseName": "猪舍1号"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | value中的值为返回的猪舍id |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "value": "8"  },  "code": "0",  "errMsg": ""  } |

### 根据id修改猪舍

**接口描述:**

--

**请求语法(URI):**

PUT /cultivation/1.0.0/culPigHouse

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 猪舍id | long | 20 | Y |  |
| pigHouseCode | 猪舍编号 | string | 32 | Y |  |
| pigHouseName | 猪舍名称 | string | 64 | Y |  |
| memo | 备注 | string | 255 | N |  |

**示例:**

|  |
| --- |
| {  "id": 8,  "memo": "猪舍2号",  "pigHouseCode": "888",  "pigHouseName": "猪舍1号"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {},  "code": "0",  "errMsg": ""  } |

### 根据id查看猪舍

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigHouse/view/{id}

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 猪舍id | long | 20 | Y |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigHouse/view/26 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪舍信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| id | 猪舍id | long |  |
| pigHouseCode | 猪舍编号 | string |  |
| pigHouseName | 猪舍名称 | string |  |
| memo | 备注 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "id": "26",  "pigHouseCode": "888",  "pigHouseName": "猪舍1号",  "highTemperatureAlarm": "0",  "memo": "猪舍2号"  },  "code": "0",  "errMsg": ""  }} |

### 根据id删除猪舍

**接口描述:**

--

**请求语法(URI):**

DELETE /cultivation/1.0.0/culPigHouse/delete/{id}

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 猪舍id | long | 20 | Y |  |

**示例:**

|  |
| --- |
| <http://127.0.0.1:8093/cultivation/1.0.0/culPigHouse/delete/26> |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | -- |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {},  "code": "0",  "errMsg": ""  } |

### 猪舍批量删除

**接口描述:**

--

**请求语法(URI):**

DELETE /cultivation/1.0.0/culPigHouse/batch/delete

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
|  | 猪舍id数组 | array | -- | Y |  |

**示例:**

|  |
| --- |
| [  1,  2  ] |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | -- |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {},  "code": "0",  "errMsg": ""  } |

### 猪舍分页查询

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigHouse/page

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| searchKey | 模糊查询 | string | 64 | N |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigHouse/page?pageNum=1&pageSize=10 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪舍信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | int |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| pigHouseName | 猪舍名称 | string |  |
| pigHouseCode | 猪舍编号 | string |  |
| culPigRailCount | 猪栏数 | int |  |
| alarmCulPigRailCount | 报警栏数 | int |  |
| pigCount | 个体数 | int |  |
| id | 猪舍id | long |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "pageData": [  {  "id": "3",  "pigHouseCode": "2",  "pigHouseName": "2",  "highTemperatureAlarm": "0",  "culPigRailCount": 2,  "alarmCulPigRailCount": 0,  "pigCount": 2  },  {  "id": "4",  "pigHouseCode": "4",  "pigHouseName": "4",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "5",  "pigHouseCode": "5",  "pigHouseName": "5",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "6",  "pigHouseCode": "6",  "pigHouseName": "66",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "7",  "pigHouseCode": "55",  "pigHouseName": "55",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "8",  "pigHouseCode": "7",  "pigHouseName": "7",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "10",  "pigHouseCode": "9",  "pigHouseName": "9",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "11",  "pigHouseCode": "10",  "pigHouseName": "10",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "12",  "pigHouseCode": "11",  "pigHouseName": "11",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  },  {  "id": "13",  "pigHouseCode": "12",  "pigHouseName": "12",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "alarmCulPigRailCount": 0,  "pigCount": 0  }  ],  "currentPage": 1,  "totalPage": 3,  "pageSize": 10,  "totalRows": 21  },  "code": "0",  "errMsg": ""  } |

## 猪栏管理

**接口描述:**

接口请求头中的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

猪栏访问端口默认8093,外网情况下需开通相应端口映射

### 猪栏新增

**接口描述:**

--

**请求语法(URI):**

POST /cultivation/1.0.0/culPigRail

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pigHouseCode | 猪舍编号 | string | 32 | Y |  |
| pigRailCode | 猪栏编号 | string | 32 | Y |  |
| pigRailName | 猪栏名称 | string | 64 | Y |  |
| pigMaxTemperature | 个体温度上限 | BigDecimal | (6,2) | Y |  |
| pigMinTemperature | 个体温度下限 | BigDecimal | (6.2) | Y |  |
| pigMaxWeight | 个体体重上限 | BigDecimal | (6,2) | Y |  |
| pigMinWeight | 个体体重下限 | BigDecimal | (6,2) | Y |  |
| pigMaxCount | 猪栏个体上限 | int | 8 | Y |  |
| temperatureChannels | 测温关联通道 | array |  | N |  |
| weightChannels | 测重关联通道 | array |  | N |  |

**示例:**

|  |
| --- |
| {  "pigHouseCode": "123",  "pigRailCode": "222",  "pigRailName": "1号猪栏",  "pigMaxTemperature": 10.11,  "pigMinTemperature": 9.11,  "pigMaxWeight": 1.66,  "pigMinWeight": 2.98,  "pigMaxCount": 1,  "temperatureChannels": [  {  "channelCode": "1000003$1$0$0",  "channelName": "测温通道1"  },  {  "channelCode": "1000003$1$0$1",  "channelName": "测温通道2"  }  ],  "weightChannels": [  {  "channelCode": "1000004$1$0$0",  "channelName": "测重通道1"  },  {  "channelCode": "1000004$1$0$1",  "channelName": "测重通道2"  }  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | Value中的值为猪栏id |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "value": "5"  },  "code": "0",  "errMsg": ""  } |

### 根据id修改猪栏

**接口描述:**

--

**请求语法(URI):**

PUT /cultivation/1.0.0/culPigRail

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 猪栏id | long | 20 | Y |  |
| pigHouseCode | 猪舍编号 | string | 32 | Y |  |
| pigRailCode | 猪栏编号 | string | 32 | Y |  |
| pigRailName | 猪栏名称 | string | 64 | Y |  |
| pigMaxTemperature | 个体温度上限 | BigDecimal | (6,2) | Y |  |
| pigMinTemperature | 个体温度下限 | BigDecimal | (6,2) | Y |  |
| pigMaxWeight | *个体体重上限* | BigDecimal | (6,2) | Y |  |
| pigMinWeight | *个体体重下限* | BigDecimal | (6,2) | Y |  |
| pigMaxCount | 猪栏个体上限 | int | 8 | N |  |
| temperatureChannels | 测温关联通道 | array |  | Y |  |
| weightChannels | 测重关联通道 | array |  | N |  |

**示例:**

|  |
| --- |
| {  "id": 1,  "pigHouseCode": "123",  "pigRailCode": "222",  "pigRailName": "1号猪栏",  "pigMaxTemperature": 10.61,  "pigMinTemperature": 9.61,  "pigMaxWeight": 1.51,  "pigMinWeight": 2.51,  "pigMaxCount": 1,  "temperatureChannels": [  {  "channelCode": "1000003$1$0$0",  "channelName": "测温通道1"  },  {  "channelCode": "1000003$1$0$1",  "channelName": "测温通道2"  }  ],  "weightChannels": [  {  "channelCode": "1000004$1$0$0",  "channelName": "测重通道1"  },  {  "channelCode": "1000004$1$0$1",  "channelName": "测重通道2"  }  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "value": "5"  },  "code": "0",  "errMsg": ""  } |

### 根据id查询猪栏

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigRail/view/{id}

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 猪栏id | long | 20 | Y |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigRail/view/1 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪栏信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| pigHouseCode | 猪舍编号 | string |  |
| pigRailCode | 猪栏编号 | string |  |
| pigRailName | 猪栏名称 | string |  |
| pigMaxTemperature | 个体温度上限 | BigDecimal |  |
| pigMinTemperature | 个体温度下限 | BigDecimal |  |
| pigMaxWeight | 个体体重上限 | BigDecimal |  |
| pigMinWeight | 个体体重下限 | BigDecimal |  |
| pigMaxCount | 猪栏个体上限 | int |  |
| temperatureChannels | 测温关联通道 | array |  |
| weightChannels | 测重关联通道 | array |  |

**示例:**

|  |
| --- |
| {  "success": true,  "code": "0",  "data": {  "id": 1,  "pigHouseCode": "123",  "pigRailCode": "222",  "pigRailName": "1号猪栏",  "pigMaxTemperature": 10.02,  "pigMinTemperature": 9.16,  "pigMaxWeight": 1.56,  "pigMinWeight": 2.96,  "pigMaxCount": 1,  "temperatureChannels": [  {  "channelCode": "1000003$1$0$0",  "channelName": "测温通道1"  },  {  "channelCode": "1000003$1$0$1",  "channelName": "测温通道2"  }  ],  "weightChannels": [  {  "channelCode": "1000004$1$0$0",  "channelName": "测重通道1"  },  {  "channelCode": "1000004$1$0$1",  "channelName": "测重通道2"  }  ]  },  "errMsg": ""  } |

### 根据id删除猪栏

**接口描述:**

--

**请求语法(URI):**

DELETE /cultivation/1.0.0/culPigRail/delete/{id}

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 记录id | long | 20 | Y |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigRail/delete/1 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | -- |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {},  "code": "0",  "errMsg": ""  } |

### 根据id批量删除猪栏

**接口描述:**

--

**请求语法(URI):**

DELETE /cultivation/1.0.0/culPigRail/batch/delete

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
|  | 猪栏id数组 | array | -- | Y |  |

**示例:**

|  |
| --- |
| [  1,  2  ] |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | -- |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {},  "code": "0",  "errMsg": ""  } |

### 猪栏分页查询

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigRail/page

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| searchKey | 模糊查询 | string | 64 | N |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigRail/page?pageNum=1&pageSize=20 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪栏信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | int |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| pigRailCode | 猪栏编号 | string |  |
| pigRailName | 猪栏名称 | string |  |
| highTemperatureAlarm | 是否高温报警 | int | 0否 1是 |
| id | 猪栏id | long |  |
| pigHouseCode | 猪舍编号 | long |  |
| pigAvgTemperature | 平均体温 | BigDecimal |  |
| pigAvgWeight | *平均体重* | BigDecimal |  |
| pigCount | 猪体数 | int |  |
| pigMaxCount | 数量上限 | int |  |
| pigHighestTemperature | 最高体温 | BigDecimal |  |
| pigHighestWeight | 最高体重 | BigDecimal |  |
| pigMaxTemperature | 个人最高体温 | BigDecimal |  |
| pigMinTemperature | 个人最低体温 | BigDecimal |  |
| pigMinWeight | 个人最低体重 | BigDecimal |  |
| pigMaxWeight | 个人最高体重 | BigDecimal |  |

**示例:**

|  |
| --- |
| {  "code": "0",  "data": {  "currentPage": 1,  "pageData": [  {  "highTemperatureAlarm": "0",  "id": "4",  "pigAvgTemperature": 0.00,  "pigAvgWeight": 0.00,  "pigCount": 0,  "pigHighestTemperature": 0.00,  "pigHighestWeight": 0.00,  " pigHouseCode ": "888",  "pigMaxCount": 40,  "pigMaxTemperature": 40.00,  "pigMaxWeight": 200.00,  "pigMinTemperature": 30.00,  "pigMinWeight": 100.00,  "pigRailCode": "001",  "pigRailName": "1号猪栏"  }  ],  "pageSize": 20,  "totalPage": 1,  "totalRows": 1  },  "errMsg": "",  "success": true  } |

## 记录查询

**接口描述:**

接口请求头中的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

记录访问端口默认8093,外网情况下需开通相应端口映射

### 测温记录

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigTemperatureRecord/page

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| pigHouseCode | 猪舍编号 | string | 32 | N |  |
| pigHouseName | 猪舍名称 | string | 64 | N |  |
| startTime | 起始时间 | string | -- | N |  |
| endTime | 结束时间 | string | -- | N |  |
| pigRailName | 猪栏名称 | string | 64 | N |  |
| pigRailCode | 猪栏编号 | string | 32 | N |  |
| overTemperature | 是否超温 | int | 2 | N | 0 否1是 |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigTemperatureRecord/page?pageNum=1&pageSize=20 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪栏信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | int |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| channelCode | 关联测温通道编码 | string |  |
| channelName | 关联测温通道名称 | string |  |
| createTime | 记录入库时间 | long |  |
| id | 记录id | long |  |
| overTemperature | 是否超温 | string |  |
| pigAvgTemperature | 区域个体平均体温 | BigDecimal |  |
| pigMaxTemperature | 个人最高体温 | BigDecimal |  |
| pigHouseCode | 猪舍编号 | BigDecimal |  |
| pigHouseName | 猪舍名称 | string |  |
| pigImage | 抓拍图片 | string |  |
| pigRailCode | 猪栏编号 | string |  |
| pigRailName | 猪栏名称 | string |  |
| reportTime | 记录上报时间 | long |  |

**示例:**

|  |
| --- |
| {  "code": "0",  "data": {  "currentPage": 1,  "pageData": [  {  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586603610000,  "id": "6",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe9-00096a4e61\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586574652000  },  {  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586602569000,  "id": "5",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe9-000c296a4e61/20191212/7-000c296a4e61\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586573565000  },  {  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586602419000,  "id": "4",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe9-0067-000c296a4e61\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586573392000  },  {  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586601497000,  "id": "2",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe911ea-b067-000c296a4e61\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586572492000  },  {  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586601497000,  "id": "3",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe9-000c2961\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586572492000  },  {  "channelCode": "1000014$1$0$1",  "channelName": "&#27979;&#28201;\_1",  "createTime": 1586601053000,  "id": "1",  "overTemperature": "1",  "pigAvgTemperature": 51.00,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigImage": "http://10.35.120.159:50000/1bc7c0bc-bcea-11e9-9fe9-000c296a4e61/20 -000c296a4e61\_16850944\_17133206.jpg",  "pigMaxTemperature": 51.00,  "pigRailCode": "123",  "pigRailName": "123",  "reportTime": 1586571472000  }  ],  "pageSize": 20,  "totalPage": 0,  "totalRows": 6  },  "errMsg": "",  "success": true  } |

### 测重记录

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigWeightRecord/page

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| pigHouseCode | 猪舍编号 | string | 32 | N |  |
| pigHouseName | 猪舍名称 | string | 64 | N |  |
| startTime | 起始时间 | string | -- | N |  |
| endTime | 结束时间 | string | 64-- | N |  |
| pigRailName | 猪栏名称 | string | 64 | N |  |
| pigRailCode | 猪栏编号 | string | 32 | N |  |
| weightChannelCodes | 关联通道 | array | -- | N |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/culPigWeightRecord/page?pageNum=1&pageSize=20 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪栏信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | int |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| channelCode | 关联测重通道编码 | string |  |
| channelName | 关联测重通道名称 | string |  |
| createTime | 记录入库时间 | long |  |
| id | 记录id | long |  |
| pigAvgWeight | 平均体重 | BigDecimal |  |
| pigMaxWeight | 最高体重 | BigDecimal |  |
| pigMinWeight | 最低体重 | BigDecimal |  |
| pigHouseCode | 猪舍编号 | BigDecimal |  |
| pigHouseName | 猪舍名称 | string |  |
| railImage | 抓拍图片 | string |  |
| pigRailCode | 猪栏编号 | string |  |
| pigRailName | 猪栏名称 | string |  |
| reportTime | 记录上报时间 | long |  |
| pigCount | 区域个体总数 | int |  |
| pigLocation | 抓拍位置信息 | string |  |

**示例:**

|  |
| --- |
| {  "code": "0",  "data": {  "currentPage": 1,  "pageData": [  {  "channelCode": "1000015$1$0$1",  "channelName": "ss\_2",  "createTime": 1586601522000,  "id": "2",  "pigAvgWeight": 5458.12,  "pigCount": 2,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigLocation": "[{"boundingBox":{"bottom":5800,"left":2656,"right":3072,"top":5080},  "categoryType":1,"objectWeight":9906123},  {"boundingBox":{"bottom":5800,"left":8000,"right":3772,"top":5080},  "categoryType":1,"objectWeight":1010123}]",  "pigMaxWeight": 9906.12,  "pigMinWeight": 1010.12,  "pigRailCode": "123",  "pigRailName": "123",  "railImage": "http://10.35.120.160/CardSolution/snap/alarm/2019/evo2.jpg",  "reportTime": 1586572492000  },  {  "channelCode": "1000015$1$0$1",  "channelName": "ss\_2",  "createTime": 1586601522000,  "id": "3",  "pigAvgWeight": 5458.12,  "pigCount": 2,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigLocation": "[{"boundingBox":{"bottom":5800,"left":2656,"right":3072,"top":5080},  "categoryType":1,"objectWeight":9906123},{"boundingBox":{"bottom":5800,"left":8000,"right":3772,"top":5080},  "categoryType":1,"objectWeight":1010123}]",  "pigMaxWeight": 9906.12,  "pigMinWeight": 1010.12,  "pigRailCode": "123",  "pigRailName": "123",  "railImage": "http://10.35.120.160/CardSolution/snap/alarm/2019/evo2.jpg",  "reportTime": 1586572492000  },  {  "channelCode": "1000015$1$0$1",  "channelName": "&#20391;&#37325;\_2",  "createTime": 1586601256000,  "id": "1",  "pigAvgWeight": 5458.12,  "pigCount": 2,  "pigHouseCode": "2",  "pigHouseName": "2",  "pigLocation": "[{"boundingBox":{"bottom":5800,"left":2656,"right":3072,"top":5080},  "categoryType":1,"objectWeight":9906123},{"boundingBox":{"bottom":5800,"left":8000,"right":3772,"top":5080},  "categoryType":1,"objectWeight":1010123}]",  "pigMaxWeight": 9906.12,  "pigMinWeight": 1010.12,  "pigRailCode": "123",  "pigRailName": "123",  "railImage": "http://10.35.120.160/CardSolution/snap/alarm/2019/evo2.jpg",  "reportTime": 1586571472000  }  ],  "pageSize": 20,  "totalPage": 0,  "totalRows": 3  },  "errMsg": "",  "success": true  } |

### 报警记录

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigAlarm/page

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| pigHouseCode | 猪舍编号 | string | 32 | N |  |
| pigHouseName | 猪舍名称 | string | 64 | N |  |
| alarmStartTime | 报警起始时间 | string | -- | N |  |
| alarmEndTime | 报警结束时间 | string | -- | N |  |
| pigRailName | 猪栏名称 | string | 32 | N |  |
| pigRailCode | 猪栏编号 | string | 64 | N |  |

**示例:**

|  |
| --- |
| http://127.0.0.1/cultivation/1.0.0/culPigAlarm/page?pageNum=1&pageSize=20&searchType=1 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 猪栏信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | int |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| alarmStatus | 报警状态 | int |  |
| alarmTemperature | 报警温度 | string |  |
| alarmTime | 报警时间 | long |  |
| alarmType | 报警类型 | int |  |
| channelCode | 通道编码 | string |  |
| channelName | 通道名称 | string |  |
| createTime | 记录入库时间 | long |  |
| id | 记录id | string |  |
| pigHouseCode | 猪舍编号 | string |  |
| pigHouseName | 猪舍名称 | string |  |
| pigMaxTemperature | 上限温度 | BigDecimal |  |
| pigMinTemperature | 下限温度 | BigDecimal |  |
| pigRailCode | 猪栏编号 | string |  |
| pigRailName | 猪栏名称 | string |  |

**示例:**

|  |
| --- |
| {  "code": "0",  "data": {  "currentPage": 1,  "pageData": [  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586574652000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586603610000,  "id": "6",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  },  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586573565000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586602569000,  "id": "5",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  },  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586573392000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586602419000,  "id": "4",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  },  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586572492000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586601497000,  "id": "2",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  },  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586572492000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "ww\_1",  "createTime": 1586601497000,  "id": "3",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  },  {  "alarmStatus": 0,  "alarmTemperature": 51.00,  "alarmTime": 1586571472000,  "alarmType": 1,  "channelCode": "1000014$1$0$1",  "channelName": "&#27979;&#28201;\_1",  "createTime": 1586601053000,  "id": "1",  "pigHouseCode": "2",  "pigHouseName": "2",  "pigMaxTemperature": 40.00,  "pigMinTemperature": 6.00,  "pigRailCode": "123",  "pigRailName": "123"  }  ],  "pageSize": 20,  "totalPage": 0,  "totalRows": 6  },  "errMsg": "",  "success": true  } |

## 报表查询

**接口描述:**

接口请求头中的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

报表访问端口默认8093,外网情况下需开通相应端口映射

### 测温统计报表

**接口描述:**

--

**请求语法(URI):**

GET /cultivation/1.0.0/culPigTemperatureStatistic

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| statisticType | 统计类型 | int | 2 | N | 1日 2周 3月 |
| overTemperature | 是否超温 | int | 2 | N | 0 否1是 |
| pigRailCode | 猪栏编号 | string | 32 | N |  |

**示例:**

|  |
| --- |
| [http://127.0.0.1:8093/cultivation/1.0.0/culPigTemperatureStatistic?statisticType=1](http://127.0.0.1:8093/cultivation/1.0.0/culPigTemperatureStatistic?statisticType=1&startTime=2019-08-2) |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 测温统计信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

**日:**

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| {  "code": "0",  "data": {  "avgTemperatureStatistics": [  {  "statisticTime": "00:00",  "temperature": 0.0  },  {  "statisticTime": "01:00",  "temperature": 0.0  },  {  "statisticTime": "02:00",  "temperature": 0.0  },  {  "statisticTime": "03:00",  "temperature": 0.0  },  {  "statisticTime": "04:00",  "temperature": 0.0  },  {  "statisticTime": "05:00",  "temperature": 0.0  },  {  "statisticTime": "06:00",  "temperature": 0.0  },  {  "statisticTime": "07:00",  "temperature": 0.0  },  {  "statisticTime": "08:00",  "temperature": 0.0  },  {  "statisticTime": "09:00",  "temperature": 0.0  },  {  "statisticTime": "10:00",  "temperature": 0.0  },  {  "statisticTime": "11:00",  "temperature": 0.0  },  {  "statisticTime": "12:00",  "temperature": 0.0  },  {  "statisticTime": "13:00",  "temperature": 0.0  },  {  "statisticTime": "14:00",  "temperature": 0.0  },  {  "statisticTime": "15:00",  "temperature": 0.0  },  {  "statisticTime": "16:00",  "temperature": 0.0  },  {  "statisticTime": "17:00",  "temperature": 0.0  },  {  "statisticTime": "18:00",  "temperature": 0.0  },  {  "statisticTime": "19:00",  "temperature": 0.0  },  {  "statisticTime": "20:00",  "temperature": 0.0  },  {  "statisticTime": "21:00",  "temperature": 0.0  },  {  "statisticTime": "22:00",  "temperature": 0.0  },  {  "statisticTime": "23:00",  "temperature": 0.0  }  ],  "maxTemperatureStatistics": [  {  "statisticTime": "00:00",  "temperature": 0.0  },  {  "statisticTime": "01:00",  "temperature": 0.0  },  {  "statisticTime": "02:00",  "temperature": 0.0  },  {  "statisticTime": "03:00",  "temperature": 0.0  },  {  "statisticTime": "04:00",  "temperature": 0.0  },  {  "statisticTime": "05:00",  "temperature": 0.0  },  {  "statisticTime": "06:00",  "temperature": 0.0  },  {  "statisticTime": "07:00",  "temperature": 0.0  },  {  "statisticTime": "08:00",  "temperature": 0.0  },  {  "statisticTime": "09:00",  "temperature": 0.0  },  {  "statisticTime": "10:00",  "temperature": 0.0  },  {  "statisticTime": "11:00",  "temperature": 0.0  },  {  "statisticTime": "12:00",  "temperature": 0.0  },  {  "statisticTime": "13:00",  "temperature": 0.0  },  {  "statisticTime": "14:00",  "temperature": 0.0  },  {  "statisticTime": "15:00",  "temperature": 0.0  },  {  "statisticTime": "16:00",  "temperature": 0.0  },  {  "statisticTime": "17:00",  "temperature": 0.0  },  {  "statisticTime": "18:00",  "temperature": 0.0  },  {  "statisticTime": "19:00",  "temperature": 0.0  },  {  "statisticTime": "20:00",  "temperature": 0.0  },  {  "statisticTime": "21:00",  "temperature": 0.0  },  {  "statisticTime": "22:00",  "temperature": 0.0  },  {  "statisticTime": "23:00",  "temperature": 0.0  }  ],  "minTemperatureStatistics": [  {  "statisticTime": "00:00",  "temperature": 0.0  },  {  "statisticTime": "01:00",  "temperature": 0.0  },  {  "statisticTime": "02:00",  "temperature": 0.0  },  {  "statisticTime": "03:00",  "temperature": 0.0  },  {  "statisticTime": "04:00",  "temperature": 0.0  },  {  "statisticTime": "05:00",  "temperature": 0.0  },  {  "statisticTime": "06:00",  "temperature": 0.0  },  {  "statisticTime": "07:00",  "temperature": 0.0  },  {  "statisticTime": "08:00",  "temperature": 0.0  },  {  "statisticTime": "09:00",  "temperature": 0.0  },  {  "statisticTime": "10:00",  "temperature": 0.0  },  {  "statisticTime": "11:00",  "temperature": 0.0  },  {  "statisticTime": "12:00",  "temperature": 0.0  },  {  "statisticTime": "13:00",  "temperature": 0.0  },  {  "statisticTime": "14:00",  "temperature": 0.0  },  {  "statisticTime": "15:00",  "temperature": 0.0  },  {  "statisticTime": "16:00",  "temperature": 0.0  },  {  "statisticTime": "17:00",  "temperature": 0.0  },  {  "statisticTime": "18:00",  "temperature": 0.0  },  {  "statisticTime": "19:00",  "temperature": 0.0  },  {  "statisticTime": "20:00",  "temperature": 0.0  },  {  "statisticTime": "21:00",  "temperature": 0.0  },  {  "statisticTime": "22:00",  "temperature": 0.0  },  {  "statisticTime": "23:00",  "temperature": 0.0  }  ]  },  "errMsg": "",  "success": true  } |

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**月:**

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| {  "code": "0",  "data": {  "avgTemperatureStatistics": [  {  "statisticTime": "2020-03-11",  "temperature": 0.0  },  {  "statisticTime": "2020-03-12",  "temperature": 0.0  },  {  "statisticTime": "2020-03-13",  "temperature": 0.0  },  {  "statisticTime": "2020-03-14",  "temperature": 0.0  },  {  "statisticTime": "2020-03-15",  "temperature": 0.0  },  {  "statisticTime": "2020-03-16",  "temperature": 0.0  },  {  "statisticTime": "2020-03-17",  "temperature": 0.0  },  {  "statisticTime": "2020-03-18",  "temperature": 0.0  },  {  "statisticTime": "2020-03-19",  "temperature": 0.0  },  {  "statisticTime": "2020-03-20",  "temperature": 0.0  },  {  "statisticTime": "2020-03-21",  "temperature": 0.0  },  {  "statisticTime": "2020-03-22",  "temperature": 0.0  },  {  "statisticTime": "2020-03-23",  "temperature": 0.0  },  {  "statisticTime": "2020-03-24",  "temperature": 0.0  },  {  "statisticTime": "2020-03-25",  "temperature": 0.0  },  {  "statisticTime": "2020-03-26",  "temperature": 0.0  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### 测重统计报表

**接口描述:**

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**请求语法(URI):**

GET /cultivation/1.0.0/culPigWeightStatistic

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| statisticType | 统计类型 | int | 2 | N | 1日 2周 3月 |
| pigRailCode | 猪栏编号 | string | 32 | N |  |
| pigHouseCode | 猪舍编号 | string | 32 | N |  |

**示例:**

|  |
| --- |
| <http://127.0.0.1:8093/cultivation/1.0.0/culPigWeightStatistic?statisticType=1>&pigRailCode=1 |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object | 测重统计信息 |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

**日:**

|  |
| --- |
| {  "code": "0",  "data": {  "avgWeightStatistic": [  {  "statisticTime": "00:00",  "weight": 0.0  },  {  "statisticTime": "01:00",  "weight": 0.0  },  {  "statisticTime": "02:00",  "weight": 0.0  },  {  "statisticTime": "03:00",  "weight": 0.0  },  {  "statisticTime": "04:00",  "weight": 0.0  },  {  "statisticTime": "05:00",  "weight": 0.0  },  {  "statisticTime": "06:00",  "weight": 0.0  },  {  "statisticTime": "07:00",  "weight": 0.0  },  {  "statisticTime": "08:00",  "weight": 0.0  },  {  "statisticTime": "09:00",  "weight": 0.0  },  {  "statisticTime": "10:00",  "weight": 0.0  },  {  "statisticTime": "11:00",  "weight": 0.0  },  {  "statisticTime": "12:00",  "weight": 0.0  },  {  "statisticTime": "13:00",  "weight": 0.0  },  {  "statisticTime": "14:00",  "weight": 0.0  },  {  "statisticTime": "15:00",  "weight": 0.0  },  {  "statisticTime": "16:00",  "weight": 0.0  },  {  "statisticTime": "17:00",  "weight": 0.0  },  {  "statisticTime": "18:00",  "weight": 0.0  },  {  "statisticTime": "19:00",  "weight": 0.0  },  {  "statisticTime": "20:00",  "weight": 0.0  },  {  "statisticTime": "21:00",  "weight": 0.0  },  {  "statisticTime": "22:00",  "weight": 0.0  },  {  "statisticTime": "23:00",  "weight": 0.0  }  ],  "maxWeightStatistic": [  {  "statisticTime": "00:00",  "weight": 0.0  },  {  "statisticTime": "01:00",  "weight": 0.0  },  {  "statisticTime": "02:00",  "weight": 0.0  },  {  "statisticTime": "03:00",  "weight": 0.0  },  {  "statisticTime": "04:00",  "weight": 0.0  },  {  "statisticTime": "05:00",  "weight": 0.0  },  {  "statisticTime": "06:00",  "weight": 0.0  },  {  "statisticTime": "07:00",  "weight": 0.0  },  {  "statisticTime": "08:00",  "weight": 0.0  },  {  "statisticTime": "09:00",  "weight": 0.0  },  {  "statisticTime": "10:00",  "weight": 0.0  },  {  "statisticTime": "11:00",  "weight": 0.0  },  {  "statisticTime": "12:00",  "weight": 0.0  },  {  "statisticTime": "13:00",  "weight": 0.0  },  {  "statisticTime": "14:00",  "weight": 0.0  },  {  "statisticTime": "15:00",  "weight": 0.0  },  {  "statisticTime": "16:00",  "weight": 0.0  },  {  "statisticTime": "17:00",  "weight": 0.0  },  {  "statisticTime": "18:00",  "weight": 0.0  },  {  "statisticTime": "19:00",  "weight": 0.0  },  {  "statisticTime": "20:00",  "weight": 0.0  },  {  "statisticTime": "21:00",  "weight": 0.0  },  {  "statisticTime": "22:00",  "weight": 0.0  },  {  "statisticTime": "23:00",  "weight": 0.0  }  ],  "minWeightStatistic": [  {  "statisticTime": "00:00",  "weight": 0.0  },  {  "statisticTime": "01:00",  "weight": 0.0  },  {  "statisticTime": "02:00",  "weight": 0.0  },  {  "statisticTime": "03:00",  "weight": 0.0  },  {  "statisticTime": "04:00",  "weight": 0.0  },  {  "statisticTime": "05:00",  "weight": 0.0  },  {  "statisticTime": "06:00",  "weight": 0.0  },  {  "statisticTime": "07:00",  "weight": 0.0  },  {  "statisticTime": "08:00",  "weight": 0.0  },  {  "statisticTime": "09:00",  "weight": 0.0  },  {  "statisticTime": "10:00",  "weight": 0.0  },  {  "statisticTime": "11:00",  "weight": 0.0  },  {  "statisticTime": "12:00",  "weight": 0.0  },  {  "statisticTime": "13:00",  "weight": 0.0  },  {  "statisticTime": "14:00",  "weight": 0.0  },  {  "statisticTime": "15:00",  "weight": 0.0  },  {  "statisticTime": "16:00",  "weight": 0.0  },  {  "statisticTime": "17:00",  "weight": 0.0  },  {  "statisticTime": "18:00",  "weight": 0.0  },  {  "statisticTime": "19:00",  "weight": 0.0  },  {  "statisticTime": "20:00",  "weight": 0.0  },  {  "statisticTime": "21:00",  "weight": 0.0  },  {  "statisticTime": "22:00",  "weight": 0.0  },  {  "statisticTime": "23:00",  "weight": 0.0  }  ]  },  "errMsg": "",  "success": true  } |

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**月:**

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| --- |
| {  "code": "0",  "data": {  "avgWeightStatistic": [  {  "statisticTime": "2020-03-11",  "weight": 0.0  },  {  "statisticTime": "2020-03-12",  "weight": 0.0  },  {  "statisticTime": "2020-03-13",  "weight": 0.0  },  {  "statisticTime": "2020-03-14",  "weight": 0.0  },  {  "statisticTime": "2020-03-15",  "weight": 0.0  },  {  "statisticTime": "2020-03-16",  "weight": 0.0  },  {  "statisticTime": "2020-03-17",  "weight": 0.0  },  {  "statisticTime": "2020-03-18",  "weight": 0.0  },  {  "statisticTime": "2020-03-19",  "weight": 0.0  },  {  "statisticTime": "2020-03-20",  "weight": 0.0  },  {  "statisticTime": "2020-03-21",  "weight": 0.0  },  {  "statisticTime": "2020-03-22",  "weight": 0.0  },  {  "statisticTime": "2020-03-23",  "weight": 0.0  },  {  "statisticTime": "2020-03-24",  "weight": 0.0  },  {  "statisticTime": "2020-03-25",  "weight": 0.0  },  {  "statisticTime": "2020-03-26",  "weight": 0.0  },  {  "statisticTime": "2020-03-27",  "weight": 0.0  },  {  "statisticTime": "2020-03-28",  "weight": 0.0  },  {  "statisticTime": "2020-03-29",  "weight": 0.0  },  {  "statisticTime": "2020-03-30",  "weight": 0.0  },  {  "statisticTime": "2020-03-31",  "weight": 0.0  },  {  "statisticTime": "2020-04-01",  "weight": 0.0  },  {  "statisticTime": "2020-04-02",  "weight": 0.0  },  {  "statisticTime": "2020-04-03",  "weight": 0.0  },  {  "statisticTime": "2020-04-04",  "weight": 0.0  },  {  "statisticTime": "2020-04-05",  "weight": 0.0  },  {  "statisticTime": "2020-04-06",  "weight": 0.0  },  {  "statisticTime": "2020-04-07",  "weight": 0.0  },  {  "statisticTime": "2020-04-08",  "weight": 0.0  },  {  "statisticTime": "2020-04-09",  "weight": 0.0  },  {  "statisticTime": "2020-04-10",  "weight": 0.0  }  ],  "maxWeightStatistic": [  {  "statisticTime": "2020-03-11",  "weight": 0.0  },  {  "statisticTime": "2020-03-12",  "weight": 0.0  },  {  "statisticTime": "2020-03-13",  "weight": 0.0  },  {  "statisticTime": "2020-03-14",  "weight": 0.0  },  {  "statisticTime": "2020-03-15",  "weight": 0.0  },  {  "statisticTime": "2020-03-16",  "weight": 0.0  },  {  "statisticTime": "2020-03-17",  "weight": 0.0  },  {  "statisticTime": "2020-03-18",  "weight": 0.0  },  {  "statisticTime": "2020-03-19",  "weight": 0.0  },  {  "statisticTime": "2020-03-20",  "weight": 0.0  },  {  "statisticTime": "2020-03-21",  "weight": 0.0  },  {  "statisticTime": "2020-03-22",  "weight": 0.0  },  {  "statisticTime": "2020-03-23",  "weight": 0.0  },  {  "statisticTime": "2020-03-24",  "weight": 0.0  },  {  "statisticTime": "2020-03-25",  "weight": 0.0  },  {  "statisticTime": "2020-03-26",  "weight": 0.0  },  {  "statisticTime": "2020-03-27",  "weight": 0.0  },  {  "statisticTime": "2020-03-28",  "weight": 0.0  },  {  "statisticTime": "2020-03-29",  "weight": 0.0  },  {  "statisticTime": "2020-03-30",  "weight": 0.0  },  {  "statisticTime": "2020-03-31",  "weight": 0.0  },  {  "statisticTime": "2020-04-01",  "weight": 0.0  },  {  "statisticTime": "2020-04-02",  "weight": 0.0  },  {  "statisticTime": "2020-04-03",  "weight": 0.0  },  {  "statisticTime": "2020-04-04",  "weight": 0.0  },  {  "statisticTime": "2020-04-05",  "weight": 0.0  },  {  "statisticTime": "2020-04-06",  "weight": 0.0  },  {  "statisticTime": "2020-04-07",  "weight": 0.0  },  {  "statisticTime": "2020-04-08",  "weight": 0.0  },  {  "statisticTime": "2020-04-09",  "weight": 0.0  },  {  "statisticTime": "2020-04-10",  "weight": 0.0  }  ],  "minWeightStatistic": [  {  "statisticTime": "2020-03-11",  "weight": 0.0  },  {  "statisticTime": "2020-03-12",  "weight": 0.0  },  {  "statisticTime": "2020-03-13",  "weight": 0.0  },  {  "statisticTime": "2020-03-14",  "weight": 0.0  },  {  "statisticTime": "2020-03-15",  "weight": 0.0  },  {  "statisticTime": "2020-03-16",  "weight": 0.0  },  {  "statisticTime": "2020-03-17",  "weight": 0.0  },  {  "statisticTime": "2020-03-18",  "weight": 0.0  },  {  "statisticTime": "2020-03-19",  "weight": 0.0  },  {  "statisticTime": "2020-03-20",  "weight": 0.0  },  {  "statisticTime": "2020-03-21",  "weight": 0.0  },  {  "statisticTime": "2020-03-22",  "weight": 0.0  },  {  "statisticTime": "2020-03-23",  "weight": 0.0  },  {  "statisticTime": "2020-03-24",  "weight": 0.0  },  {  "statisticTime": "2020-03-25",  "weight": 0.0  },  {  "statisticTime": "2020-03-26",  "weight": 0.0  },  {  "statisticTime": "2020-03-27",  "weight": 0.0  },  {  "statisticTime": "2020-03-28",  "weight": 0.0  },  {  "statisticTime": "2020-03-29",  "weight": 0.0  },  {  "statisticTime": "2020-03-30",  "weight": 0.0  },  {  "statisticTime": "2020-03-31",  "weight": 0.0  },  {  "statisticTime": "2020-04-01",  "weight": 0.0  },  {  "statisticTime": "2020-04-02",  "weight": 0.0  },  {  "statisticTime": "2020-04-03",  "weight": 0.0  },  {  "statisticTime": "2020-04-04",  "weight": 0.0  },  {  "statisticTime": "2020-04-05",  "weight": 0.0  },  {  "statisticTime": "2020-04-06",  "weight": 0.0  },  {  "statisticTime": "2020-04-07",  "weight": 0.0  },  {  "statisticTime": "2020-04-08",  "weight": 0.0  },  {  "statisticTime": "2020-04-09",  "weight": 0.0  },  {  "statisticTime": "2020-04-10",  "weight": 0.0  }  ]  },  "errMsg": "",  "success": true  }z |

## 魔墙接口

**接口描述:**

接口请求头中的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

魔墙访问端口默认8093,外网情况下需开通相应端口映射

### 养殖基地统计

**请求语法(URI):**

GET /cultivation/1.0.0/magic/getFarmStatistics

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/magic/getFarmStatistics |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| pigCount | 猪体总数 | int |  |
| pigRailCount | 猪栏总数 | int |  |
| pigHouseCount | 猪舍总数 | int |  |
| pigAveragePrice | 平均猪价 | BigDecimal |  |
| pigAverageWeight | 平均体重 | BigDecimal |  |
| totalPrice | 总猪价 | BigDecimal |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "pigCount": 9,  "pigRailCount": 6,  "pigHouseCount": 4,  "pigAveragePrice": 16,  "pigAverageWeight": 1.72,  "totalPrice": 144  },  "code": "0",  "errMsg": ""  } |

### 猪价报表

**请求语法(URI):**

GET /cultivation/1.0.0/magic/getMonthPricetStatistic

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

**示例:**

|  |
| --- |
| http://127.0.0.1:8093/cultivation/1.0.0/magic/getMonthPricetStatistic |

**返返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| monthDay | 每月第几天 | int |  |
| pigAvgPrice | 均价 | BigDecimal |  |
| totalWeight | 总重 | BigDecimal |  |
| totalPrice | 总价 | BigDecimal |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "value": [  {  "monthDay": "2020-04-01",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-02",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-03",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-04",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-05",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-06",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-07",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-08",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-09",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-10",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-11",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-12",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-13",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-14",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-15",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-16",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-17",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-18",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-19",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-20",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-21",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-22",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-23",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-24",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-25",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-26",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-27",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-28",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-29",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  },  {  "monthDay": "2020-04-30",  "pigAvgPrice": 0,  "totalWeight": 0,  "totalPrice": 0  }  ]  },  "code": "0",  "errMsg": ""  } |

### 个数均重总重报表

**请求语法(URI):**

GET /cultivation/1.0.0/magic/getWeekWeightStatistic

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

**示例:**

|  |
| --- |
| <http://127.0.0.1:8093/cultivation/1.0.0/magic/getWeekWeightStatistic> |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |
| pigCount | 个数 | array |  |
| averageWeight | 均重 | array |  |
| totalWeight | 总重 | array |  |
| weekDay | 周几 | string |  |
| number | 数值 | BigDecimal |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "pigCount": [  {  "weekDay": "周一",  "number": 0  },  {  "weekDay": "周二",  "number": 0  },  {  "weekDay": "周三",  "number": 0  },  {  "weekDay": "周四",  "number": 0  },  {  "weekDay": "周五",  "number": 0  },  {  "weekDay": "周六",  "number": 0  },  {  "weekDay": "周日",  "number": 0  }  ],  "averageWeight": [  {  "weekDay": "周一",  "number": 0  },  {  "weekDay": "周二",  "number": 0  },  {  "weekDay": "周三",  "number": 0  },  {  "weekDay": "周四",  "number": 0  },  {  "weekDay": "周五",  "number": 0  },  {  "weekDay": "周六",  "number": 0  },  {  "weekDay": "周日",  "number": 0  }  ],  "totalWeight": [  {  "weekDay": "周一",  "number": 0  },  {  "weekDay": "周二",  "number": 0  },  {  "weekDay": "周三",  "number": 0  },  {  "weekDay": "周四",  "number": 0  },  {  "weekDay": "周五",  "number": 0  },  {  "weekDay": "周六",  "number": 0  },  {  "weekDay": "周日",  "number": 0  }  ]  },  "code": "0",  "errMsg": ""  } |

### 猪舍统计

**请求语法(URI):**

GET /cultivation/1.0.0/magic/getPigHouseCount

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

**示例:**

|  |
| --- |
| <http://127.0.0.1:8093/cultivation/1.0.0/magic/getPigHouseCount> |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "value": [  {  "id": "3",  "pigHouseCode": "2",  "pigHouseName": "2",  "highTemperatureAlarm": "0",  "culPigRailCount": 2,  "pigCount": 2,  "culPigRails": [  {  "id": "1",  "pigHouseCode": "2",  "pigRailCode": "123",  "pigRailName": "123",  "pigMaxTemperature": 40,  "pigMinTemperature": 6,  "pigAvgTemperature": 0,  "pigMaxWeight": 100,  "pigMinWeight": 1,  "pigAvgWeight": 5458.12,  "pigCount": 2,  "pigMaxCount": 2,  "pigHighestTemperature": 0,  "pigHighestWeight": 9906.12,  "highTemperatureAlarm": "0",  "railImage": "http://10.35.120.160/CardSolution/snap/alarm/2019/evo2.jpg"  },  {  "id": "3",  "pigHouseCode": "2",  "pigRailCode": "456",  "pigRailName": "456",  "pigMaxTemperature": 22,  "pigMinTemperature": 1,  "pigAvgTemperature": 0,  "pigMaxWeight": 22,  "pigMinWeight": 1,  "pigAvgWeight": 0,  "pigCount": 0,  "pigMaxCount": 11,  "pigHighestTemperature": 0,  "pigHighestWeight": 0,  "highTemperatureAlarm": "0"  }  ]  },  {  "id": "4",  "pigHouseCode": "4",  "pigHouseName": "4",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "5",  "pigHouseCode": "5",  "pigHouseName": "5",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "6",  "pigHouseCode": "6",  "pigHouseName": "66",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "7",  "pigHouseCode": "55",  "pigHouseName": "55",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "8",  "pigHouseCode": "7",  "pigHouseName": "7",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "10",  "pigHouseCode": "9",  "pigHouseName": "9",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "11",  "pigHouseCode": "10",  "pigHouseName": "10",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "12",  "pigHouseCode": "11",  "pigHouseName": "11",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "13",  "pigHouseCode": "12",  "pigHouseName": "12",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "14",  "pigHouseCode": "13",  "pigHouseName": "13",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "15",  "pigHouseCode": "15",  "pigHouseName": "15",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "17",  "pigHouseCode": "17",  "pigHouseName": "17",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "18",  "pigHouseCode": "18",  "pigHouseName": "18",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "19",  "pigHouseCode": "19",  "pigHouseName": "19",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "20",  "pigHouseCode": "14",  "pigHouseName": "14",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "21",  "pigHouseCode": "20",  "pigHouseName": "20",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "22",  "pigHouseCode": "21",  "pigHouseName": "210",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "23",  "pigHouseCode": "1",  "pigHouseName": "1",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "24",  "pigHouseCode": "202",  "pigHouseName": "202",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "25",  "pigHouseCode": "345",  "pigHouseName": "213",  "highTemperatureAlarm": "0",  "culPigRailCount": 0,  "pigCount": 0,  "culPigRails": []  },  {  "id": "27",  "pigHouseCode": "888",  "pigHouseName": "猪舍1号",  "highTemperatureAlarm": "0",  "memo": "猪舍1号",  "culPigRailCount": 1,  "pigCount": 0,  "culPigRails": [  {  "id": "4",  "pigHouseCode": "888",  "pigRailCode": "001",  "pigRailName": "1号猪栏",  "pigMaxTemperature": 40,  "pigMinTemperature": 30,  "pigAvgTemperature": 0,  "pigMaxWeight": 200,  "pigMinWeight": 100,  "pigAvgWeight": 0,  "pigCount": 0,  "pigMaxCount": 40,  "pigHighestTemperature": 0,  "pigHighestWeight": 0,  "highTemperatureAlarm": "0"  }  ]  }  ]  },  "code": "0",  "errMsg": ""  } |

### 标题获取

**请求语法(URI):**

GET /cultivation/1.0.0/sysConfig/view/1

**请求头:**

|  |
| --- |
| Content-type: application/json  token:---  userId:--  username:-- |

**请求参数:**

**示例:**

|  |
| --- |
| <http://127.0.0.1:8093/cultivation/1.0.0/sysConfig/view/1> |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |
| code | 错误码 | string |  |

**示例:**

|  |
| --- |
| {  "success": true,  "data": {  "id": "1",  "configType": 1,  "configName": "魔墙配置",  "configSeq": 1,  "configPar1": "大华养殖基地",  "configPar2": "16",  "configPar3": "100-200",  "stat": 1  },  "code": "0",  "errMsg": ""  } |